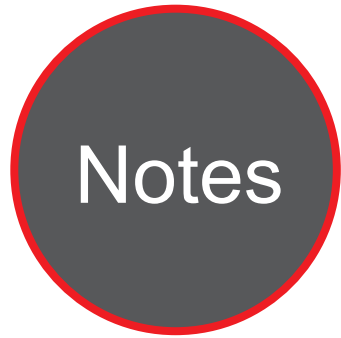




Caltrans Division of Research,
Innovation and System Information

Research



Transportation
Safety & Mobility

MAY 2020

Project Title: High Occupancy
Vehicle (HOV) Pooled Fund
Study TPF-5(029)-Now TPF-5(322)

Task Number: 0373

Start Date: September 1, 2002

Completion Date: June 30, 2023

Task Manager:
Jose Perez,
Transportation Engineer
jose.perez@dot.ca.gov

High Occupancy Vehicle (HOV)/ Managed Use Lane (MUL) -TPF- 5(029) now TPF-5(322)

Research study to identify HOV issues common to all participants of this pooled fund study and identify recommendations and potential solutions.

WHAT IS THE NEED?

Traffic congestion is a big problem which degrades the effectiveness of High Occupancy Vehicle (HOV) lanes/Managed Use Lane (MUL). Research is needed in order to identify key issues and challenges that are common among public agencies that are responsible for managing and operating HOV facilities and to have researchers identify recommendations and potential solutions to these issues in order to improve the effectiveness of the HOV lanes.

WHAT ARE WE DOING?

This pooled fund study serves as a forum so that all participants interact, share information and successful practices with a broader audience to advance and improve upon the current state-of-the-practice related to the management, operation, and performance of HOV/MUL facilities. All participants of this pooled fund research, including Caltrans, have been identifying key issues that need to be addressed and analyzed in order to research potential solutions.

WHAT IS OUR GOAL?

The goal is to improve the performance/effectiveness of the HOV/MUL lanes by participating in this research study to identify issues common among HOV systems managers, operators, and service providers, suggest approaches to addressing identified issues, select and initiate projects intended to address identified issues, and identify recommendations and potential solutions.



DRISI provides solutions and
knowledge that improves
California's transportation system

WHAT IS THE BENEFIT?

The Department can potentially benefit from the outcome of this research by implementing the resulting recommendations and potential solution from this pooled fund study. The public may benefit from the implementation of the results of this research which have the potential to improve performance/effectiveness of the HOV/MUL lanes.

WHAT IS THE PROGRESS TO DATE?

The lead agency and all stakeholders for this PFS will continue to meet and determine which new HOV areas need to be researched.

Researchers for the Synthesis of Emerging Technologies used on Managed Lane Facilities study have completed the Global Review of Existing technologies, and Global Review of Emerging Technologies reports.

Researchers for the Synthesis of Best Practices for Developing Public Information to Advance Priced Managed Lane Facilities study have completed the Literature Review summary and Case Study reports.

Transition in Pooled Fund Study Support Contract - An Interagency agreement is being finalized between the lead agency (FHWA) and the Vople Center for them to take over the Pool Fund support contract. They should be on board by the end of April 2020 and should be participating on the next quarterly call.

It is anticipated that the Annual Meeting will be held during the Summer/Fall of 2020.